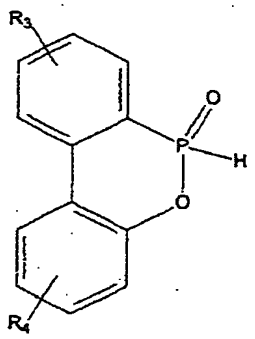
What is claimed is:

1. A process for preparing 6-alkoxy-(6H)-dibenzo[c,e][1,2]oxaphosphorins, characterized in that 6H-dibenzo[c,e][1,2]oxaphosphorin 6-oxides of the formula I



where R3, R4 = alkyl, alkoxy, alkylthio, alkenyl, alkynyl, aryl, heteroaryl, cycloalkyl groups

are used as the reactant.

2. The process as claimed in claim 1, characterized in that the preparation is effected in the following steps:

1) providing at least one solvent,
2) adding the reactant
3) adding an ortho ester and
4) adding alcohol if it has not already been used under stage 1).

3. The process as claimed in one of claims 1 and 2, characterized in that the solvent used is an alcohol or alcohol-containing mixture.

4. The process as claimed in claim 3,

characterized in that alcohols of the formula R_2OH are used where R_2 is alkyl.

5. The process as claimed in one or more of claims 1 to 4,
characterized in that the reaction is carried out in the presence of a compound capable of ester formation with 6H-dibenzo[c,e][1,2]oxaphosphorin 6-oxides.

6. The process as claimed in one of claims 1 to 5,
characterized in that the reaction is carried out in the presence of a trialkyl orthoformate.

7. The process as claimed in claim 6,
characterized in that the reaction is carried out in the presence of trimethyl or triethyl orthoformate.

8. The process as claimed in one of claims 1 to 7,
characterized in that it is carried out in the presence of catalysts.

9. The process as claimed in claim 8,
characterized in that the catalysts used are Lewis acids or Brønsted acids.

10. The process as claimed in claim 9,
characterized in that the acids used are proton donors.

11. The process as claimed in claim 10,
characterized in that the acids used are hydrogen halides.

12. The process as claimed in claim 1-11,

characterized in that the excess alcohol is removed and the catalyst is simultaneously recycled.